

DERWENT-ACC-NO: 1982-A9226E
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TITLE: Medical diagnostics computer - uses variant of
bayer's formula in terms
of probability of specific illness being present in
patient

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
SU 822200 B	April 15, 1981	N/A
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ABSTRACTED-PUB-NO: SU 822200B ✓
BASIC-ABSTRACT: Diagnostic unit is for patients' symptoms
diagnosis, these
being entered previously in the unit and is made more
reliable by use of a
reverse number setter and a constant addition unit.

The mathematical basis for the diagnosis is in determin. of
probability, using a
variant of Bayer's formula. The doctor enters patient
data in operative data
input (1). Constant data input (2) either serially or
parallelly processes the
data as weighting coeffs. Comparator (3) compares the two
so that adder (5)
receives those coeffs., corresp. to input (1). The
constant number is raised
to a power (6) (different for each illness) and the index
is the sum of the
weighting coeffs. Each is then added to a 1 (7) to produce
a probability (8)
which is indicated (9). Bul.14/15.4.81

CHOSEN-DRAWING: Dwg.1

TITLE-TERMS:

MEDICAL DIAGNOSE COMPUTER VARIANT BAYER FORMULA TERM
PROBABILITY SPECIFIC ILL
PRESENT PATIENT

DERWENT-CLASS: S05 T01

EPI-CODES: S05-D; T01-J06;